Products...Target...Gap, Redundancy, Reuse Analysis

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1. Process Reuse Plan and Gap Analysis

1.1. Context of the Target Vision

The preceding Target Architecture Strategy section introduced a vision of the desired Target Architecture End-State, at a five to seven year planning horizon. The subsequent Target Architecture Transition Plan identified actions that the Office of Enterprise Architecture Management is taking to implement these changes, across three distinct phases within that planning horizon. Following that section, the Target Project Abstracts section summarizes the IT development projects within the current portfolio, many of which are designed to contribute to accomplishing various aspects of this Target End-State vision.

1.2. Identification of Implementation Gaps and Reuse Opportunities

This *Target Reuse, Redundancy and Gap Analysis* section considers each of the ongoing projects within the current portfolio from the standpoint of sufficiency and completeness. Wherever the Target Vision calls for a development activity that is not identified with a current project, a project-placeholder entry is provided. Each project-placeholder entry is then discussed as a potential, new project within the following *EA Portfolio Recommendations* section, in order to bring it to the attention of VA's business-line stakeholders. Project-Placeholder entries appear in **Bold Typeface** within the table.

Projects and project-placeholders are organized within the five target architecture layers, in the corresponding tables below, from which the gap and reuse analysis proceeds as follows:

- When a project is found to be incomplete a "gap" is identified and the omission is cited in the "Identify Potential Gap" column of the table;
- When a project can possibly reuse existing sharable components or sharable data, or when
 the project is understood to provide sharable components or sharable data, for reuse in other
 projects, then those factors are documented in the "Identify Potential for Reuse" column of
 the table;
- When an entire project is missing, which would be required to complete the target end-state vision, then that unsatisfied requirement is identified on a project-placeholder line within the table;
- When there is a possibility to combine two projects or to subsume one project with another, because of duplication of effort, then that factor is noted within the "Duplication-Consolidation" column of the table.
- Possible future IT requirements (which may be business-line pilot activities without specific IT requirements at present) are cited in the table and shown in italic typeface, and are labeled "Possible Future Requirement".

1.2.1. Service Access Layer

Initiative Ide	entification			Reuse, Redundancy & Gap Analysis				
Initiative Name	Initiative's Capital Investment Status & Project Status	Initiative's Planned Deployment Date	Initiative Information Source & Information Date (Meta-Data)	Identify Potential for Reuse	Identify Potential Gap	Identify Possible Duplication and Consolidation with other Initiatives	Gap/Reuse Information Source & Information Date (Meta-Data	
One VA Contact Center-2006	Re-Baseline Milestone-1	9/1/2008	Ex-300(2007 9/30/2005	Project will produce sharable data and contact management services which will then be available across all business lines and to other projects	No Apparent Gap	No Project Consolidatio Potential	EA V4.0 GAP Analysis Section 5/2005	
VHA VistA Imaging-200	Continuing Milestone-3	9/5/2006	Ex-300(2007 9/30/2005	Develops an Imaging standard and sharable technology that will apply to numerous Medical Imaging implementati across all VISNs	No Apparent Gap	No Project Consolidatio Potential	EA V4.0 '5/2005	

WEB Presentation Standardizati	1 1	6/21/2006	VA Policy for Web Site Look and Feel 12/21/2005	Establishes a Web Look/Feel that will apply across all VA websites	No Apparent Gap	No Project Consolidatio Potential	EA V4.0 '5/2005
WEB Content Management Standardizati		7/1/2006	VA Directive 6102 Chap-7 a/o 12/2005	Content Mgt Standard and COTS solution will be applied across VA	No Apparent Gap	No Project Consolidatio Potential	EA V4.0 '5/2005

1.2.2. Business Rule Implementation Layer

Initiative Ide	entification			Reuse, Redundancy & Gap Analysis			
Initiative Name	Initiative's Capital Investment Status & Project Status	Initiative's Planned Deployment Date	Initiative Information Source & Information Date (Meta-Data)	for Reuse	Identify Potential Gap	Identify Possible Duplication and Consolidation with other Initiatives	Gap/Reuse Information Source & Information Date (Meta-Data)
VHA Fee-Based Health Care Reimbursem	Continuing Milestone 0	Sep-2005	Ex-300(2007 9/30/2005	This project will replace the VHA legacy claims processing system that enables VHA to reimburse private hospitals	No Apparent Gap	No Project Consolidatio Potential	EA V4.0 '5/2005

VHA	Continuing	Sep-2005	Ex-300(2007	for services that they render to Veterans who are eligible for VHA health care. After further analysis at Project Milestone-1, it my be possible to satisfy this requirement with a PMA e-Gov claims processing solution.	No	No Project	EA V4.0
DSS-Moderr	Milestone 0	Бер 2003	9/30/2005	HDR data specification and HDR data	Apparent	Consolidatio Potential	
VistA Laboratory Information System	Continuing Milestone 0	9/1/2009	Ex-300(2007 9/30/2005	This project replaces the VHA Legacy Laboratory Service's IT system and its associated business processes. The replacement system should interface	No Apparent Gap	No Project Consolidatio Potential	Ex-300(2007) 9/30/2005 EA V4.0 5/2005

VA Payroll Replacement System -	Continuing Milestone	12/2007	Ex-300(2007 9/30/2005	with the HDR veteran-share data store and with the RE-Veterans data store, providing data sharing and re-use opportunities in both areas. Utilizes the PMA e-Payroll		No Project Consolidatio Potential	Ex-300(2007) 9/30/2005
e-Payroll DoD-DIMH Data Integration	Not in CIP This is an currently an informal project funded through O&M and not under PM Oversight	12/5/2006	EA V4.0 4/31/2005 JEC Annual Report November 2005	In conjunction with the RE and CM projects, this initiative will develop a single authoritative source for veteran identificatio data, that will be used by all VA business lines.	formalized under the IT Project Managemen Oversight Process. A budget request should be generated to provide resources	No Consolidation Potential with other initiatives	EA V4.0 '5/2005also Project-Architecture Stakeholder Review 1/2006
DoD-VA Data Sharing VA	Not a Project at this time	12/5/2006	EA V4.0 4/31/2005	This initiative will assure that the	A new project is required to	No Consolidation Potential with other	EA V4.0 '5/2005 also Project-Architecture

Legacy System Remediation Project Placeholder Entry				single authoritativ data source, developed by the DIMHRS, RE and CM initiatives, will be accessible to all VA legacy systems.	remediate VA Legacy Business-Lin Apps to receive & process veteran identificatio & demographi data that are altered by the DIMHRS VA/DoD data sharing initiative.		Stakeholder Review 1/2006
VHA Medical and Prosthetic Research	Continuing Milestone-1	9/9/2006	Ex-300(2007 9/30/2005	A potential for data sharing exists within the following interfacing systems, which will require further analysis to determine: The replacing Research Mgt System will interface with the following, existing VA systems: (a) The Personnel Accounting	No Apparent Gap	No Project Consolidatio Potential	Ex-300(2007) 9/30/2005 EA V4.0 5/2005

				Information System (PAID); (b) The Financial Management System (FMS); and (c) The Integrated Funds Distribution Control Point Activity, Accounting, and Procurement (IFCAP) system.			
VHA Pharmacy Re-Engineer and IT Support	Continuing Milestone-1	9/7/2006	Ex-300(2006 9/13/2004	This Project will provide enhanced patient safety capabilities along with much needed legacy system replacement for VHA pharmacy support functions. The replacement system should interface with the HDR veteran-share data store and with	No Apparent Gap	No Project Consolidatio Potential	Ex-300(2007) 9/30/2005 EA V4.0 5/2005

				the RE-Veterans data store, providing data sharing and re-use opportunities in both areas.		
VHA Appointment Scheduling Replacement	Milestone-1	10/6/2006	Ex-300(2006 9/13/2004	This Project will reduce the wait-time between booking and executing a health care appointment within the VHA health care system. The replacement system should interface with the HDR veteran-share data store and with the RE-Veterans data store, providing data sharing and re-use opportunities in both areas.	No Project Consolidatio Potential	Ex-300(2007) 9/30/2005 EA V4.0 5/2005
VA-Learning		3/7/2006	Ex-300(2006	Utilizes the		

Management System-2006	Continuing Milestone-1		9/13/2003	PMA e-Training Solution			
DoD/VA Electronic Record Export	Continuing Milestone-3	???????	Ex-300(2007 9/30/2005	Creates an exportable Vista Health record for Collaboration with other government agencies	No Apparent Gap	No Project Consolidatio Potential	BY-2007 Portfolio Review
VHA HealtheVet VistA-2006	New-2006 Milestone-2	10-Sep	Ex-300(2007 9/30/2005	This is the replacement System for the ageing Vista Healthcare System Since Vista (and its replacement) operate in 128 discrete facilities, this replacement system offers numerable opportunities for internal component reuse. This replacement system also Implements use of the HDR shared healthcare information data store	Gap	No Project Consolidatio Potential	BY-2007 Portfolio Review

				across 128 production instances of the Vista System			
VHA Third Party Collections	Continuing Milestone-2	Unscheduled	Milestone 02 September 04	Will utilize data from (a) the Medicare Remittance Advice (MRA) project; and (b) Clinical Indicators Data Capture (CIDC) project.	No Apparent Gap	No Project Consolidatio Potential	BY-2007 Portfolio Review
Patient Financial Services System (PFSS)	Continuing Milestone-2	8-Sep	Ex-300(2007 9/30/2005	No Apparent Reuse Potential	No Apparent Gap	No Project Consolidatio Potential	BY-2007 Portfolio Review
C&P Benefits Replacement System	Continuing Milestone-2	1/13/2005	Ex-300(2007 9/30/2005	Requires (Reuses) VBA Corporate database Eligibility data	No Apparent Gap	No Project Consolidatio Potential	BY-2007 Portfolio Review
The Education Expert System (TEES)	Continuing Milestone-2	6/30/2007	Ex-300(2007 9/30/2005	No Apparent Reuse Potential	No Apparent Gap	No Project Consolidatio Potential	BY-2007 Portfolio Review
Loan Admin System Redesign	Continuing Milestone-2	3/22/05, 5/5/05	Ex-300(2007 9/30/2005	No Apparent Reuse Potential	No Apparent Gap	No Project Consolidatio Potential	BY-2007 Portfolio Review

VA e-Records Managemen Standardiza Pilot Project Placeholder Entry		Unscheduled EA Recommend Project	Target EA	Utilizes the PMA e-Records-N Solution	No Apparent Gap	No Project Consolidation Potential	Ex-300(2007 9/30/2005
VA e-Authentics Solution (Formerly AAIP) Project Placeholder Entry	Conceptual Initiative Pre-CIP Pre-Mileston		AAI Re-Baseline	Utilizes the PMA e-Authentica Solution	No Apparent Gap	No Project Consolidation Potential	Ex-300(2007 9/30/2005
FMS replacement (CoreFLS S Re-baseline) Project Placeholder Entry	Re-Baseline Milestone	9/1/2008	Ex-300(2007 9/30/2005	Possible future use of PMA e-Finance Solution		Would consolidate over 20 legacy financial systems	Ex-300(2007 9/30/2005
VA e-Travel Solution	Continuing Milestone 3	9/30/2005	Ex-300(2007 9/30/2005	Utilizes the PMA e-Travel Solution	No Apparent Gap	No Project Consolidatio Potential	Ex-300(2007 9/30/2005
Seamless Transition Possible Future Requirement	This is not an IT requirement or project at this time. It is a pilot business program which may generate requirements for an IT project at a later date	N/A	VA/DoD JEC 2005 Annual Report	Collect identification and health care data from active services members, prior to discharge, across various DoD Medical Treatment	No Apparent Gap	No Project Consolidatio Potential	VA/DoD JEC 2005 Annual Report

				facilities and across possibly numerous interview sessions with VA councilor personnel to create a service-mem profile for case management across all VA business lines			
VA/DoD Health Collaboratio (Patient Sharing) Possible Future Requirement	or project at this time. It is a pilot business	N/A	VA/DoD JEC 2005 Annual Report	Possible future reuse of DoD-CHCS and VistA	No Apparent Gap	No Project Consolidatio Potential	VA/DoD JEC 2005 Annual Report
Cooperative Separation Exam Possible Future Requirement	This is not an IT requirement or project at this time. It is a pilot business program which may generate requirements for an IT project at a	N/A	VA/DoD JEC 2005 Annual Report	May utilize Bidirectional Health Information Exchange (BHIE), data at a later date	Possible future design of a joint physical examination document	No Project Consolidatio Potential	VA/DoD JEC 2005 Annual Report

later date			

1.2.3. Enterprise Information Layer

Initiative Ide	entification			Reuse, Redundancy & Gap Analysis				
Initiative Name	Initiative's Capital Investment Status & Project Status	Initiative's Planned Deployment Date	Initiative Information Source & Information Date (Meta-Data)	for Reuse	Identify Potential Gap	Identify Possible Duplication and Consolidation with other Initiatives	Gap/Reuse Information Source & Information Date (Meta-Data)	
VHA Clinical Data Standardizati (HL7)	Continuing Milestone-2	Ongoing Activity producing periodic changes in health data definitions	JEC Annual Rpt 9/30/2004 Ex-300(2007 9/30/2005	Establishes an industry-stan data definition for health care information for use across VA	No Apparent Gap	No Project Consolidatio Potential	EA V4.0 '5/2005	
CHDR - VA/DoD CDR-HDR interoperabil	Continuing Milestone-2	Ongoing Val-DoD Collaboration No Planned Termination Date	JEC Annual Rpt 9/30/2004 Ex-300(2007 9/30/2005	Utilizes(Reur HDR data store specification and data	No Apparent Gap	No Project Consolidatio Potential	EA V4.0 '5/2005	
VHA Health Data Repository Developmen (HDR)	Continuing Milestone-1	9/9/2006	Ex-300(2007 9/30/2005	This project provides a Sharable Data Service Component available to all VA business Lines:	No Apparent Gap	No Project Consolidatio Potential, However the project eliminates multiple, redundant occurrences of health data and	Ex-300(2007) 9/30/2005 EA V4.0 5/2005	

				1) This project creates a Sharable data store of Veteran Health Information for access at any VA Healthcare Facility; 2) This project also creates standard access methodologic for business-Lin based Apps to access this data.		data collection applications (one per current production instance of Vista)	
One VA Eligibility and Registration-	Re-Baseline Milestone-1	9/8/2006	Ex-300(2007 9/30/2005	This project provides a Sharable Data Service Component available to all VA business Lines: 1) This project creates a Sharable data store of Veteran identification data and service history data for use across all business	No Apparent Gap Project scope must include: 1) Acquisition of registration data from registration- 2) Acquisition of Service History data from DMDC/DIM 3) Developmen of a registration-	process	EA V4.0 '5/2005also Proj-Arch Stakeholder Review 1/2006

			lines; 2) This project also creates standard access methodologic for business-Lin based Apps to access this data.	App 4) Data Capture App must support Legacy data feeds as well as new RE-feed until all Legacy Apps are converted.			
Shared Financial Managemen and Logistics data Store Initiative Project Placeholder Entry	Conceptual Initiative Pre-CIP Pre-Mileston	EA V4.1 Recommend Project	1) This project would create a Sharable data store of Asset and facility Managemen data, for use across all business lines; 2) This project also creates standard access methodologi for business-Lir based Apps to access this data.		Project would replace and combine s number of Financial/Lo Systems across VA	EA V4.1 '2/2006 EA Proposed Initiative	gement

Shared Asset	Conceptual Initiative	Mid-2010	EA V4.1 Recommend	1) This	No Apparent	Project would	EA V4.1 '2/2006
managemen			Project	would	Gap	support	EA
& Facility	Pre-Mileston		Troject	create a	Gup	and	Proposed
managemen				Sharable		possibly	Initiative
Data				data store		combine	
Initiative				of Asset		various	
Project				and		asset	
Placeholder				facility		managemen	
Entry				Managemen		systems	
				data, for		across VA	
				use across			
				all			
				business			
				lines;			
				2) This			
				project			
				also			
				creates			
				standard			
				access			
				methodologi for			
				or business-Lir			
				based			
				Apps to			
				access this			
				data.			

1.2.4. Platform Enablement Software Layer

Initiative Ide	entification			Reuse, Redundancy & Gap Analysis			
Initiative Name	Initiative's Capital Investment Status & Project Status	Initiative's Planned Deployment Date	Initiative Information Source & Information Date (Meta-Data)	for Reuse	Identify Potential Gap	Identify Possible Duplication and Consolidation with other Initiatives	Gap/Reuse Information Source & Information Date (Meta-Data)
Windows-XI & Windows-20	Funded	XP=> 9/2007	CIO Directive 10/04/2005	No Apparent Reuse	No Apparent Gap	No Project Consolidatio Potential	EA Project Plan Review

Oper-System Migration & Standardizati				Potential			11/2005
VA Enterprise Cyber Security Program (COTS S/W Upgrade & Security Patch Management	Continuing Milestone-2	9/30/2009	Ex-300(2007 9/30/2005 Cyber-Secur SCAMP Program	Apparent	No Apparent Gap	No Project Consolidatio Potential	BY-2007 Portfolio Review
IPV6 Transition Program	Not in CIP Pre-Mileston 0	9/30/2008	CIO Directive 1/21/2005	No Apparent Reuse Potential	No Apparent Gap	No Project Consolidatio Potential	EA Project Plan Review 11/2005

1.2.5. Shared Infrastructure Layer

Initiative Id	lentification			Reuse, Redundancy & Gap Analysis				
Initiative Name	Initiative's Capital Investment Status & Project Status	Initiative's Planned Deployment Date	Initiative Information Source & Information Date (Meta-Data)	for Reuse	Identify Potential Gap	Identify Possible Duplication and Consolidation with other Initiatives	Gap/Reuse Information Source & Information Date (Meta-Data)	
VA Enterprise Telephony Agenda	Continuing Milestone 0	09/07, 12/07	Ex-300(2007 9/30/2005	Provides an Enterprise-w Shared Voice Messaging Solution	No Apparent Gap	No Project Consolidatio Potential	Ex-300(2007 9/30/2005	
VA	Continuing	9/9/2006	Ex-300(2007	Provides an	No	No Project	Ex-300(2007	

Standard COOP Solution Developmen	Milestone-		5/31/2005	Enterprise-w Shared Disaster Recovery Standard Practice and Resource	Apparent Gap	Consolidatio Potential	9/30/2005
VA Radio Frequency Transition PMO - 2006	Continuing Milestone-3	12/7/2006	Ex-300(2007 9/30/2005	Provides an Enterprise-w Interoperabil Standard and Resource for Emergency Radio Communicat	Gap	No Project Consolidatio Potential	Ex-300(2007) 9/30/2005
Telecom Modernization Project (TMP)	Continuing Milestone-3	9/30/2005	Ex-300(2007 9/30/2005	Provides an Enterprise-w Shared Resource for Long Distance Data, Image and possibly Voice Networking.	No Apparent Gap	No Project Consolidatio Potential	Ex-300(2007) 9/30/2005
Exchange (Messaging) Server Consolidatio Program	Milestone	Impl Date	AuthSourd Date	The first phase Consolidates over 100 disbursed messaging systems into a shared resource complex of 23 centrally managed	No Apparent Gap	No Project Consolidatio Potential	Ex-300(2007) 9/30/2005

				messaging sites and provides standardized VA e-mail addressing The second phase will further consolidate this shared service to six sites across the VA intranet.		
Regional Computing Initiative	CIP Milestone 	Impl Date	AuthSourc Date	Provides for 23-?? Regional data centers across the VA intranet which will consolidate local servers and workloads for efficiency in management labor allocation, Continuity of Operations and into regional centers.		Get source from Scott

CAN/MAN Network Standardiza Initiative Project Placeholder Entry	Initiative Pre-CIP Pre-Mileston	-	EA V4.1 '2/2006 EA Proposed Initiative	Project establishes a reusable "Pattern" for CAN/MAN design and assures a minimum Class of Service Performanc across the network distribution layer Assure CAN/MAN Compatibili with IPV6 Initiative	Project would provide standard Class of Service and Predictable bandwidth and services across VA's regional networks.	EA V4.1 '2/2006 EA Proposed Initiative
LAN Network Standardiza Initiative Project Placeholder Entry	Pre-Mileston		EA V4.1 '2/2006 EA Proposed Initiative	Project establishes a reusable "Pattern" for LAN design and assures a minimum Class of Service Performanc across the network access layer Assure LAN Compatibili with IPV6 Initiative	Project would provide standard Class of Service and Predictable bandwidth and services across VA's Local Area networks; It would facilitate auto-discove server and server-appli validation and monitoring.	

VA-wide RFID-Taggi standardiza Exploitation Initiative Project Placeholder Entry		EA V4.1 '2/2006 EA Proposed Initiative	Project establishes "Patterns" for various RFID-Taggi Applications These Apps would be universally applied across VA.	Project would support expanded use of RFID tagging for inventory control, for managemen of perishable commodities and for smart-presc type programs	
VA-wide Wireless networking standard Project Placeholder Entry	Conceptual Initiative Pre-CIP Pre-Mileston	EA V4.1 Recommend Project	Project establishes "Patterns" for various Wireless Networking Installations which would take Medical facility spectrum restrictions into account Assure LAN Compatibili with IPV6 Initiative	Project would standardize use of wireless devices - primarily within medical facilities.	EA V4.1 '2/2006 EA Proposed Initiative

1.3. Gap/Reuse Identification Summary

This discussion summarizes the Gap (or missing) projects described above. These projects appear again within the following *Target Sequencing Plan* section, and their requirements are discussed in detail within the *EA Portfolio Recommendations* section, which will be used to

recommend new initiatives, for the forthcoming BY-2008 budget cycle, to the CIO.

Summary of Projects Requiring Augmentation

1) DoD-DIMHRS Integration

Summary of required, additional projects:

- 1) VA Legacy System Remediation for DoD/DIMHRS Data Integration
- 2) VA e-Records Management Standardization Pilot
- 3) VA e-Authentication Solution (Formerly AAIP)
- 4) FMS replacement (CoreFLS Re-baseline)
- 5) Shared Financial Management and Logistics data Store Initiative
- 6) Shared Asset management & Facility management Data Initiative
- 7) CAN/MAN Network Standardization Initiative
- 8) LAN Network Standardization Initiative
- 9) VA-wide RFID-Tagging standardization Exploitation Initiative
- 10) VA-wide Wireless networking standard

These additional projects will be described in the following *EA Portfolio Recommendations* section.